

PL 73:131271 CAPLUS

DN 73:131271

TI Preparation of nucleotides and oligonucleotides by thermal reaction

IN Moravek, Josef; Skoda, Jan

SO Czech., 5 pp.

CODEN: CZXXA9

DT Patent

LA Czech

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 133464		19691015	CS	19651202
AB	Labeled title compds. are obtained by thermal phosphorylation of nucleosides which are heated at 155-65.degree. with an alk. metal phosphate or nucleoside 2'(3')-phosphate in the ratio 1:5. The mixt. is chromatographed and the products isolated from the eluate. Treating labeled nucleosides (14C, 3H, 35S) with nonradioactive phosphates gives compds. contg. soft .beta.-emitters in the nucleoside moiety, reaction of unlabeled nucleosides with 32P-phosphates gives compds. contg. a hard .beta.-emitter in the phosphate residue. The following nucleosides were phosphorylated: cytidine, uridine, pseudouridine, orotidine, deoxycytidine, deoxyuridine, thymidine; (with a change in the base) 6-azauridine, 6-azacytidine; (with a substitution on the base) 5-hydroxyuridine; (with a change in the sugar) N-xylosyluracil; (antibiotics) tubercidine.				
IT	29838-80-0				
	RL: RCT (Reactant)				
	(reaction of, with labeled sodium phosphate)				
RN	29838-80-0 CAPLUS				
CN	as-Triazine-5,6-14C2-3,5(2H,4H)-dione, 2-.beta.-D-ribofuranosyl- (8CI)				

(CA INDEX NAME)

Absolute stereochemistry.

